BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of the Work : **Improvements to Drains and Asphalting to Roads in Kattigenahalli Sarrounding Area in Ward No. 05 Byatarayanapura Sub Division.**

Pre Measurements

Job Code: 005-20-000103

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BRUHATH BANGALORE MAHANAGARAPALIKE
YELAHANKA ZONE
Pre Measurements

Name of work: Improvements to Drains and Asphalting to Roads in Kattigenahalli Sarrounding Area in Ward No. 05 Byatarayanapura Sub Division.

Work Order No: BBMP/EE/BTP/WO/123/2020-21 dt: 30.09.2020

JOB NUMBER: 005-20-000103

Estimate Cost: 55.00 lakhs.

Name of Contractor : M/s Shree Charan Construction (T.S Kothandaraju)

Sl No	Description of item	Unit	No	L	B	D	Qty
1	KSRRB 300-1. Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3, No. 143/ Item No. 19.1/ PWD SR 2018-19						
	For Road Surface	Cum					
	Varaha layout 2nd Cross		1	30.00	5.00+5.15 / 2	0.20	30.45
			1	30.00	5.15+5.00 / 2	0.20	30.45
			1	30.00	5.00+5.40 / 2	0.20	31.20
			1	30.00	5.40+5.05 / 2	0.20	16.22
			1	1.80	6.30	0.20	
	Varaha layout 3rd Cross		1	30.00	6.00+5.35 / 2	0.20	
			1	30.00	5.35+5.15 / 2	0.20	31.50
			1	30.00	5.15+5.30 / 2	0.20	31.35
			1	30.00	5.30+5.70 / 2	0.20	33.00
			1	1.40	5.70	0.20	0.80
	Varaha Layout 2nd Main		1	30.00	5.4+5.30 / 2	0.20	32.10
			1	30.00	5.30+5.00 / 2	0.20	30.90
			1	30.00	5.00+4.70 / 2	0.20	29.10
			1	7.00	4.70+3.80 / 2	0.20	5.95
	Varaha Layout 1st main		1	30.00	6.30+4.60 / 2	0.20	32.70

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Description of item	Unit	No	L	B	D	Qty
				2		
		1	30.00	4.60+4.50	0.20	27.30
				2		
		1	11.25	4.50+4.80	0.20	10.46
				2		
For Desilting of Drains						
Varaha layout 2nd Cross		2	30.00	0.45	0.35	21.00
		2	30.00	0.45	0.35	21.00
		2	30.00	0.45	0.35	21.00
		2	30.00	0.45	0.35	21.00
		2	1.80	0.45	0.35	1.26
Varaha layout 3rd Cross		2	30.00	0.45	0.35	21.00
		2	30.00	0.45	0.35	21.00
		2	30.00	0.45	0.35	21.00
		2	30.00	0.45	0.35	21.00
		2	1.40	0.45	0.35	0.98
Varaha Layout 2nd Main		2	30.00	0.45	0.35	21.00
		2	30.00	0.45	0.35	21.00
		2	30.00	0.45	0.35	21.00
		2	7.00	0.45	0.35	4.90
Varaha Layout 1st Main		2	30.00	0.45	0.35	21.00
		2	30.00	0.45	0.35	21.00
		2	11.00	0.45	0.35	7.70
Varaha Layout 4th Cross		2	30.00	0.45	0.35	21.00
		2	30.00	0.45	0.35	21.00
		2	30.00	0.45	0.35	21.00
		2	30.00	0.45	0.35	21.00
		2	1.80	0.45	0.35	1.26
Kalidasa Layout 1st Cross		2	30.00	0.45	0.35	21.00
		2	30.00	0.45	0.35	21.00
		2	30.00	0.45	0.35	21.00
		2	10.65	0.45	0.35	7.46
Ambedakarnagara		2	4.00	0.45	0.35	2.80
		2	2.00	0.45	0.35	1.40
		2	7.00	0.45	0.35	4.90
		2	30.00	0.45	0.35	21.00
		2	30.00	0.45	0.35	21.00
		2	30.00	0.45	0.35	21.00
		2	30.00	0.45	0.35	21.00
		2	30.00	0.45	0.35	21.00
		2	30.00	0.45	0.35	21.00
		2	30.00	0.45	0.35	21.00
		2	30.00	0.45	0.35	21.00
		2	12.40	0.45	0.35	8.68
Ayyappa layout		2	30.00	0.45	0.35	21.00
		2	21.00	0.45	0.35	14.70
Culverts						
katigenahalli Overhead Tank		1	4.80	2.10	1.20	12.10
		1	4.90	2.10	1.20	12.35

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Description of item	Unit	No	L	B	D	Qty
Ayyappa Layout		1	5.40	2.10	1.20	13.61
Ayyappa Layout 2nd Cross		1	4.20	2.10	1.20	10.58
Ayyappa Layout 3rd Cross		1	5.50	2.10	1.20	13.86
			Actiual Qty			1136.19
			Limited to			1131.75

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Assistant Executive Engineer
Byatarayanapura Sub Division

2	Removing B.S Slab of Drain and stacking Page No. 25/ Item No. 5.32 / PWD SR 2016-17						
	Varaha layout 2nd Cross	Sqm	2	30.00	1.65		99.00
			2	30.00	1.65		99.00
			2	30.00	1.65		99.00
			2	30.00	1.65		99.00
			2	1.80	1.65		5.94
	Varaha layout 3rd Cross		2	30.00	1.65		99.00
			2	30.00	1.65		99.00
			2	30.00	1.65		99.00
			2	30.00	1.65		99.00
			2	1.40	1.65		4.62
	Varaha Layout 2nd Main		2	30.00	1.65		99.00
			2	30.00	1.65		99.00
			2	30.00	1.65		99.00
			2	7.00	1.65		23.10
	Varaha Layout 1st main		2	30.00	1.65		99.00
			2	30.00	1.65		99.00
			2	11.00	1.65		36.30
	Varaha Layout 4th Cross		2	30.00	1.65		99.00
			2	30.00	1.65		99.00
			2	30.00	1.65		99.00
			2	30.00	1.65		99.00
			2	1.80	1.65		5.94
	Kalidasa Layout 1st Cross		2	30.00	1.65		99.00
			2	30.00	1.65		99.00
			2	30.00	1.65		99.00
			2	10.65	1.65		35.15
	Ambedakarnagara		2	4.00	1.65		13.20
			2	2.00	1.65		6.60
			2	30.00	1.65		99.00
							2209.85
	Deduct 30% Missing Slabs						
	Varaha layout 2nd Cross		2	34.00	1.65		112.20
	Varaha layout 3rd Cross		2	30.00	1.65		99.00
	Varaha Layout 2nd Main		2	33.00	1.65		108.90
	Varaha Layout 1st main		2	30.00	1.65		99.00
	Varaha Layout 4th Cross		2	34.00	1.65		112.20
	Kalidasa Layout 1st Cross		2	30.00	1.65		99.00

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Description of item	Unit	No	L	B	D	Qty
Ambedakarnagara		2	10.00	1.65		33.00
						663.30
			Actiual Qty			1546.55

28/12/20

Assistant Executive Engineer
Byatarayanapura Sub Division

5 KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 13/ Item No. 4.3/ PWD SR 2018-19

Culverts	Cum						
katigenahalli Overhead Tank		1	4.80	2.10	0.15	1.51	
		1	4.90	2.10	0.15	1.54	
Ayyappa Layout		1	5.40	2.10	0.15	1.70	
Ayyappa Layout 2nd Cross		1	4.20	2.10	0.15	1.32	
Ayyappa Layout 3rd Cross		1	5.50	2.10	0.15	1.73	
						7.81	

11/01/21

Assistant Executive Engineer
Byatarayanapura Sub Division

6 KSRB 5.2.3 Providing and constructing granite / trap / basalt Size-stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 25/ Item No. 5.6/ PWD SR 2018-19

Culverts	cum					
katigenahalli Overhead Tank		1X2	4.80	0.60	0.50	2.88
		1X2	4.90	0.60	0.50	2.94
Ayyappa Layout		1X2	5.40	0.60	0.50	3.24
Ayyappa Layout 2nd Cross		1X2	4.20	0.60	0.50	2.52
Ayyappa Layout 3rd Cross		1X2	5.50	0.60	0.50	3.30
						14.88

18/11/21

Assistant Executive Engineer
Byatarayanapura Sub Division

7 KSRB 5.3-3 Providing and constructing granite / trap / basalt size-stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 25/ Item No. 5.9/ PWD SR 2018-19

Culverts	Sqm					
katigenahalli Overhead Tank		1X2	4.80	0.50	0.45	2.16

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Description of item	Unit	No	L	B	D	Qty
		1X2	4.90	0.50	0.45	2.21
Ayyappa Layout		1X2	5.40	0.50	0.45	2.43
Ayyappa Layout 2nd Cross		1X2	4.20	0.50	0.45	1.89
Ayyappa Layout 3rd Cross		1X2	5.50	0.50	0.45	2.48
						11.16

Assistant Executive Engineer
Byatarayanapura Sub Division

8 KSRB 4-6.7 : Providing and removing centering, shuttering, struting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 17/ Item No. 4.34/ PWD SR 2018-19

Culverts	Sqm					
katigenahalli Overhead Tank		1	4.80	0.60		2.88
		1	4.90	0.60		2.94
Ayyappa Layout		1	5.40	0.60		3.24
Ayyappa Layout 2nd Cross		1	4.20	0.60		2.52
Ayyappa Layout 3rd Cross		1	5.50	0.60		3.30
For Sides						
katigenahalli Overhead Tank		2	4.80	0.23		2.21
		2	4.90	0.23		2.25
Ayyappa Layout		2	5.40	0.23		2.48
Ayyappa Layout 2nd Cross		2	4.20	0.23		1.93
Ayyappa Layout 3rd Cross		2	5.50	0.23		2.53
katigenahalli Overhead Tank		2	1.65	0.23		0.76
		2	1.65	0.23		0.76
Ayyappa Layout		2	1.65	0.23		0.76
Ayyappa Layout 2nd Cross		2	1.65	0.23		0.76
Ayyappa Layout 3rd Cross		2	1.65	0.23		0.76
				Actiual Qty		**30.08**
				Limited to		**29.32**

Assistant Executive Engineer
Byatarayanapura Sub Division

9 KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:5:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2 P No. 13/ Item No. 4.7/ PWD SR 2018-19

katigenahalli Overhead Tank	cum	2	4.80	0.50	0.15	0.72
		2	4.90	0.50	0.15	0.74
Ayyappa Layout		2	5.40	0.50	0.15	0.81
Ayyappa Layout 2nd Cross		2	4.20	0.50	0.15	0.63

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	Description of item	Unit	No	L	B	D	Qty
	Ayyappa Layout 3rd Cross		2	5.50	0.50	0.15	0.83
	For Vent						
	katigenahalli Overhead Tank		1	4.80	0.90	0.15	0.65
			1	4.90	0.90	0.15	0.66
	Ayyappa Layout		1	5.40	0.90	0.15	0.73
	Ayyappa Layout 2nd Cross		1	4.20	0.90	0.15	0.57
	Ayyappa Layout 3rd Cross		1	5.50	0.90	0.15	0.74
							7.07

Assistant Engineer
Ward No. 06

Assistant Executive Engineer
Byatarayanapura Sub Division

12	KSRB 4.9.2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 18/ Item No. 4.46.2/ PWD SR 2018-19						
	for culverts	Tonne					
	12 mm dia bars						
	katigenahalli Overhead Tank		48	2.50	1		120.00
			49	2.50	1		122.50
	Ayyappa Layout		54	2.50	1		135.00
	Ayyappa Layout 2nd Cross		34	2.50	2		170.00
	Ayyappa Layout 3rd Cross		44	2.50	2		220.00
				Total Length in Mtr			**767.50**
			C	**wt @ 0.89kg/mtr**			**683.075**
	10 mm dia bars						
	katigenahalli Overhead Tank		16	4.80			76.80
			16	4.90			78.40
	Ayyappa Layout		16	5.40			86.40
	Ayyappa Layout 2nd Cross		13	4.20			54.60
	Ayyappa Layout 3rd Cross		13	5.50			71.50
				Total Length in Mtr			**367.70**
			D	**wt @ 0.62kg/mtr**			**227.97**
		Total Wt in Kgs (A to D)					**911.81**
			Actiual Qty				**0.91**
			Limited to				**0.90**

Ward No. 06

Assistant Executive Engineer
Byatarayanapura Sub Division

13	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification NO. 406.P No. 155/ Item No. 20.18/ PWD SR 2018-19						

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Description of item	Unit	No	L	B	D	Qty
Varaha layout 2nd Cross	Cum	1	30.00	0.90	0.25	6.75
		1	30.00	0.90	0.25	6.75
		1	30.00	0.90	0.25	6.75
		1	30.00	0.90	0.25	6.75
		1	1.80	0.90	0.25	0.41
Varaha layout 3rd Cross		1	30.00	0.90	0.25	6.75
		1	30.00	0.90	0.25	6.75
		1	30.00	0.90	0.25	6.75
		1	30.00	0.90	0.25	6.75
		1	1.40	0.90	0.25	0.32
Varaha Layout 2nd Main		1	30.00	0.90	0.25	6.75
		1	30.00	0.90	0.25	6.75
		1	30.00	0.90	0.25	6.75
		1	24.00	0.90	0.25	5.40
For Road						
Varaha layout 2nd Cross		1	30.00	5.00+5.15	0.20	30.45
				2		
		1	30.00	5.15+5.00	0.20	30.45
				2		
		1	30.00	5.00+5.40	0.20	31.20
				2		
		1	30.00	5.40.5.05	0.20	16.22
				2		
		1	1.80	6.30	0.20	1.13
Varaha layout 3rd Cross		1	30.00	6.00+5.35	0.20	34.05
				2		
		1	30.00	5.35+5.15	0.20	31.50
				2		
		1	30.00	5.15+5.30	0.20	31.35
				2		
		1	30.00	5.30+5.70	0.20	33.00
				2		
		1	1.40	5.70	0.20	0.80
Varaha Layout 2nd Main		1	30.00	5.4+5.30	0.20	32.10
				2		
		1	30.00	5.30+5.00	0.20	30.90
				2		
		1	30.00	5.00+4.70	0.20	29.10
				2		
		1	7.00	4.70+3.80	0.20	5.95
				2		
Varaha Layout 1st main		1	30.00	6.30+4.60	0.20	32.70
				2		
		1	30.00	4.60+4.50	0.20	27.30
				2		
		1	11.25	4.50+4.80	0.20	10.46
				2		

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Description of item	Unit	No	L	B	D	Qty
Varsha Layout 4th Cross		1	30.00	4.60+4.80	0.20	28.20
		1	30.00	4.80+4.70	0.20	28.50
		1	30.00	4.70+5.80	0.20	31.50
		1	30.00	5.60+5.00	0.20	31.80
		1	1.80	5.00	0.20	0.90
Kalidasa Layout 1st Cross		1	30.00	6.20+5.60	0.20	35.40
		1	30.00	5.60+5.30	0.20	32.70
		1	30.00	5.30+5.45	0.20	32.25
		1	10.50	5.40+5.30	0.20	11.24
Ambedakarnagara		1	4.30	5.00	0.20	2.15
		1	2.30	5.00+3.70	0.20	2.00
				2.00		
		1	7.00	3.7+5.7+4.90	0.20	6.67
				3		
		1	30.00	4.90+5.00	0.20	29.70
		1	30.00	5.00	0.20	15.00
		1	30.00	5.00+4.90	0.20	29.70
		1	30.00	4.90	0.20	14.70
		1	30.00	4.90+5.00	0.20	29.70
		1	30.00	5.00+5.30	0.20	30.90
		1	30.00	5.30+4.90	0.20	30.60
		1	30.00	4.90	0.20	14.70
		1	12.40	4.90+4.60	0.20	11.78
				2		
Ayyappa layout		1	30.00	5.40+5.50	0.20	32.70
				2		
		1	30.00	5.50+5.40	0.20	32.70
				2		
		1	30.00	5.40+5.30	0.20	32.10
				2		
		1	26.90	5.30+5.50	0.20	29.05
				2		
		1	30.00	5.30+5.45	0.20	32.25

ಸಹಾಯಕ ಅಧೀಕ್ಷಕ ಅಭಿಯಂತರರು
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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

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Description of item	Unit	No	L	B	D	Qty
		1	30.00	5.45+5.35	0.20	32.40
		1	30.00	5.35+5.40	0.20	32.25
		1	6.00	5.40+5.35	0.20	6.43
						1169.02

Assistant Engineer
Ward No. 08

ಸಹಾಯಕ ಅಭಿಯಂತರರು

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
Byatarayanapura Sub Division

KSRDB 500-4: providing and applying **primer coat** from 7.5 to 9.8 kg per 10 sq.m @ 2.2kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut bank M.C 70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specificationsDo- Medium Porosity MORTH chapter 5, No. 158/ Item No. 21.6/ PWD SR 2018-19

For Road						
Varaha layout 2nd Cross		1	30.00	5.00+5.15		152.25
				2		
		1	30.00	5.15+5.00		152.25
				2		
		1	30.00	5.00+5.40		156.00
				2		
		1	30.00	5.40.5.05		81.08
				2		
		1	1.80	6.30		5.67
		1	30.00	6.00+5.35		170.25
Varaha layout 3rd Cross				2		
		1	30.00	5.35+5.15		157.50
				2		
		1	30.00	5.15+5.30		156.75
				2		
		1	30.00	5.30+5.70		165.00
				2		
		1	1.40	5.70		3.99
		1	30.00	5.4+5.30		160.50
Varaha Layout 2nd Main				2		
		1	30.00	5.30+5.00		154.50
				2		
		1	30.00	5.00+4.70		145.50
				2		
		1	7.00	4.70+3.80		29.75
				2		
		1	30.00	6.30+4.60		163.50
Varaha Layout 1st main				2		
		1	30.00	4.60+4.50		136.50

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-24

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Description of item	Unit	No	L	B	D	Qty
				2		
		1	11.25	4.50+4.80		52.31
				2		
Varaha Layout 4th Cross		1	30.00	4.60+4.80		141.00
		1	30.00	4.80+4.70		142.50
		1	30.00	4.70+5.80		157.50
		1	30.00	5.60+5.00		159.00
		1	1.80	5.00		4.50
Kalidasa Layout 1st Cross		1	30.00	6.20+5.60		177.00
		1	30.00	5.60+5.30		163.50
		1	30.00	5.30+5.45		161.25
		1	10.50	5.40+5.30		56.18
		1	4.30	5.00		10.75
Ambedakarnagara		1	2.30	5.00+3.70		10.01
				2.00		
		1	7.00	3.7+5.7+4.90		33.37
				3		
		1	30.00	4.90+5.00		148.50
		1	30.00	5.00		75.00
		1	30.00	5.00+4.90		148.50
		1	30.00	4.90		73.50
		1	30.00	4.90+5.00		148.50
		1	30.00	5.00+5.30		154.50
		1	30.00	5.30+4.90		153.00
		1	30.00	4.90		73.50
		1	12.40	4.90+4.60		58.90
				2		
Ayyappa layout		1	30.00	5.40+5.50		163.50
				2		
		1	30.00	5.50+5.40		163.50
				2		
		1	30.00	5.40+5.30		160.50
				2		

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Description of item	Unit	No	L	B	D	Qty
		1	26.90	5.30+5.50		145.26
				2		
		1	30.00	5.30+5.45		161.25
		1	30.00	5.45+5.35		162.00
		1	30.00	5.35+5.40		161.25
		1	6.00	5.40+5.35		32.25
						5443.25

18/3/21

18/3/21

Assistant Executive Engineer
Byatarayanapura Sub Division
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